

SEQUENCE LISTING

<110> Banerjee, Subhashis
Taylor, Lori K
Spiegler, Clive E
Tracey, Daniel E
Chartash, Elliot K
Hoffman, Rebecca S
Barchuk, William T
Yan, Philip
Murtaza, Anwar
Salfeld, Jochen G
Fischkoff, Steven

<120> TREATMENT OF METABOLIC DISORDERS
USING TNF α INHIBITORS

<130> BPI-191

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<150> 60/397,275
<151> 2002-07-19

<150> 60/411,081
<151> 2002-09-16

<150> 60/417,490
<151> 2002-10-10

<150> 60/455,777
<151> 2003-03-18

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Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
20 25 30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45
Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80
Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr

85	90	95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys		
100	105	

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
50 55 60
Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly
100 105 110
Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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<223> Xaa = Thr or Ala

<223> Mutated human antibody

<400> 3
Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa
1 5

<210> 4
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<222> 12
<223> Xaa = Tyr or Asn

<223> Mutated human antibody

<400> 4
Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa
1 5 10

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<400> 5
Ala Ala Ser Thr Leu Gln Ser
1 5

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<400> 6
Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu
1 5 10 15
Gly

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<220>
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<400> 7
Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala
1 5 10

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<220>
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<400> 8
Asp Tyr Ala Met His
1 5

<210> 9
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<220>
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<400> 9
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
 1 5 10 15
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
 20 25 30
 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
 35 40 45
 Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
 65 70 75 80
 Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Tyr
 85 90 95
 Ala Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 100 105

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<400> 10
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 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30
 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Asp Trp Val
 35 40 45
 Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
 50 55 60
 Glu Gly Arg Phe Ala Val Ser Arg Asp Asn Ala Lys Asn Ala Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Thr Lys Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn Trp Gly
 100 105 110
 Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120

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<220>
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<400> 11

BPI-191

Gln Lys Tyr Asn Ser Ala Pro Tyr Ala
1 5

<210> 12
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Gln Lys Tyr Asn Arg Ala Pro Tyr Ala
1 5

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<400> 13
Gln Lys Tyr Gln Arg Ala Pro Tyr Thr
1 5

<210> 14
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<400> 14
Gln Lys Tyr Ser Ser Ala Pro Tyr Thr
1 5

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<400> 15
Gln Lys Tyr Asn Ser Ala Pro Tyr Thr
1 5

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<400> 16
Gln Lys Tyr Asn Arg Ala Pro Tyr Thr
1 5

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<400> 17
Gln Lys Tyr Asn Ser Ala Pro Tyr Tyr
1 5

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<400> 18
Gln Lys Tyr Asn Ser Ala Pro Tyr Asn
1 5

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<400> 19
Gln Lys Tyr Thr Ser Ala Pro Tyr Thr
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Gln Lys Tyr Asn Arg Ala Pro Tyr Asn
1 5

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<400> 21
Gln Lys Tyr Asn Ser Ala Ala Tyr Ser
1 5

<210> 22
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<400> 22
Gln Gln Tyr Asn Ser Ala Pro Asp Thr
1 5

<210> 23
<211> 9
<212> PRT
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<400> 23
Gln Lys Tyr Asn Ser Asp Pro Tyr Thr
1 5

<210> 24
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<400> 24
Gln Lys Tyr Ile Ser Ala Pro Tyr Thr
1 5

<210> 25
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<220>
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<400> 25
Gln Lys Tyr Asn Arg Pro Pro Tyr Thr
1 5

<210> 26
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<400> 26
Gln Arg Tyr Asn Arg Ala Pro Tyr Ala
1 5

<210> 27
<211> 12
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<220>
<223> Mutated human antibody

<400> 27
Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Asn
1 5 10

<210> 28
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<223> Mutated human antibody

<400> 28
Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Lys
1 5 10

<210> 29
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<400> 29
Ala Ser Tyr Leu Ser Thr Ser Ser Ser Leu Asp Tyr
1 5 10

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<400> 30

Ala	Ser	Tyr	Leu	Ser	Thr	Ser	Ser	Leu	Asp	Asp
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<210> 31

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<400> 31

Ala	Ser	Tyr	Leu	Ser	Thr	Ser	Phe	Ser	Leu	Asp	Tyr
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<400> 32

Ala	Ser	Tyr	Leu	Ser	Thr	Ser	Ser	Ser	Leu	His	Tyr
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<210> 33

<211> 12

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<400> 33

Ala	Ser	Phe	Leu	Ser	Thr	Ser	Ser	Ser	Leu	Glu	Tyr
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<210> 34

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<400> 34

Ala	Ser	Tyr	Leu	Ser	Thr	Ala	Ser	Ser	Leu	Glu	Tyr
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<400> 35
Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Asn
1 5 10

<210> 36
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atcaactgtc gggcaagtca gggcatcaga aattacttag cctggtatca gcaaaaacca 120
ggggaaaggcc ctaagctcctt gatctatgct gcattccactt tgcaatcagg ggtcccatct 180
cggttcagtg gcagtggatc tggacagat ttcaactctca ccatcagcag cttacagct 240
gaagatgttgc caacttattt ctgtcaaagg tataaccgtg caccgtatac ttttggccag 300
gggaccaagg tggaaatcaa a 321

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ccagggaaagg gccttggaaatg ggtctcagctt atcaacttggaa atatgtgtca catagactat 180
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ctgcaaatgttca acatgttgc agctgaggat acggccgtat attactgtgc gaaagtctcg 300
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